



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H141304

**Mode:** Highway

**Status:** Submitted

### (Woodcroft Pkwy Ext)

**From/Cross Street:** Garrett Rd

**Specific Improvement Type:** 5 - Construct Roadway on New Location

**To:** Hope Valley Rd

**Project Category:** Division Needs

**Length:** 0.24

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$2,219,000

**Description:**

Construct new alignment.

**Division(s):** Division 5

**County(s):** DURHAM

**MPOS(s)/RPO(s):** Durham Chapel Hill Carrboro MPO

### Project Location



**Statewide Mobility Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
<b>Totals: Weight: 0% Weighted Score: 0</b>	Percent: 15% Points: 0	Percent: 15% Points: 0

**Division Needs Total Score: 77.31**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 73.10	Percent: 25% Points: 95	Percent: 25% Points: 95
Safety (10%) 77.72		
[Travel Time] Benefit/Cost (20%) 37.11		
<b>Totals: Weight: 50% Weighted Score: 29.81</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	17416.01
Capacity:	15800
Volume/Capacity Ratio:	1.1
% Autos:	97%
% Trucks:	3%
Truck Volume:	503.92
Crash Density:	99.38
Crash Severity:	34.41
Critical Crash Rate:	99.38
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	17
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	40
Actual Congested Speed:	31.6
Travel Time Index:	1.11

**Project Benefits**

Project Cross-Section:	3C - 2 Lane with Two Way Left Turn Lane, Curb & Gutter, Bike Lanes, and Sidewalks
Speed Limit:	35
Length (miles):	0.24
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Local
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	3698383.82
Travel Time Savings for 30 Years (Autos):	3591373.97
Travel Time Savings for 30 Years (Trucks):	107009.85
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Durham Chapel Hill Carrboro MPO

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 5	100%	0	95
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>95</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Durham Chapel Hill Carrboro MPO	100%	0	95
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>95</b>

**Project Cost and Source**

Construction Cost:	\$1,798,000	Cost Estimation Tool
Right-of-Way Cost:	\$376,000	Cost Estimation Tool
Utilities Cost:	\$45,000	Cost Estimation Tool
Total Project Cost:	\$2,219,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$2,219,000</b>	